

## **ATTACHMENT B -- PERFORMANCE SPECIFICATIONS**

### **Solicitation VA246-16-Q-0743**

Project Title: Replace Bldg. 2 Generator at Salem VA Medical Center

The offer shall meet the following performance specifications:

- a. Generator
  - i. One (1) new turbo-diesel packaged generator set with brushless generator, 600kW, 3-Phase, 277/480VAC, 60HZ @ 1800 RPM, 0.8 Power Factor, Standby Duty with the following attachments and accessories:
    1. Enclosure
    2. Designed for outdoor installation with sound attenuation.
    3. Generator
      - a. Insulation System
      - b. Drip proof generator air intake (NEMA 2, IP 23)
      - c. Electrical design in accordance with BS5000 Part 99, EN-61000-6, IEC60034-1, NEMA MG-1.33
    4. Generator Set
      - a. Complete system designed and built at ISO 9001 certified facilities
      - b. Factory tested to design specifications at full load conditions
    5. Engine
      - a. Governor – Electronic
      - b. Electrical System – 12 VDC
      - c. Cartridge type filters
      - d. Batteries, rack and cables included
      - e. Coolant and lube oil sump drains piped to edge of base frame.
    6. Exhaust
      - a. Exhaust system shall be installed per manufacturer's specifications and shall include catalytic exhaust scrubbers, if to reduce particulate emission. Back pressure shall not exceed manufacturer's specifications.
    7. Fuel System
      - a. Generator shall include an appropriately sized day tank for 24 hours run time.
        - i. Day tank shall include a primary and back-up fuel transfer pump piped to existing UST and filter system.